

NUS School of Computing
Master of Computing - Artificial Intelligence Specialisation
(with effect from January 2020)

AI Core Module List

- CS5446 AI Planning and Decision Making
- Choose one:
CS5339 Theory and Algorithms for Machine Learning, OR
CS5242 Neural Networks and Deep Learning, OR
IS5152 Data-Driven Decision Making
- CS5340 Uncertainty Modelling in AI

AI Elective Module List

- CS4243 Computer Vision and Pattern Recognition
- CS4244 Knowledge Representation and Reasoning
- CS4248 Natural Language Processing
- CS5215 Constraint Programming
- CS5228 Knowledge Discovery and Data Mining
- CS5242 Neural Networks and Deep Learning
- CS5246 Text Mining
- CS5260 Neural Networks and Deep Learning II
- CS5469 Fundamentals of Logic in Computer Science
- CS5477 3D Computer Vision
- CS5478 Intelligent Robots: Algorithms and Systems
- CS5339 Theory and Algorithms for Machine Learning
- CS5461 Algorithmic Mechanism Design
- CS6207 Advanced Natural Language Processing
- CS6208 Advanced Topics in Artificial Intelligence
- CS6216 Advanced Topics in Machine Learning
- CS6244 Robot Motion Planning and Control

- IS5152 Data-Driven Decision Making
- IS5006 Intelligent System Deployment
- IS4242 Intelligent Systems - Tools, Techniques, and Applications

- BT4014 Analytics Driven Design of Adaptive Systems
- BT4240 Machine Learning for Predictive Data Analytics

***Important:**

- Modules in this list may be subject to change as decided by the Departments.
- Modules that are in the core and elective AI lists can be counted as either part of the core or elective requirement, but not both.

Preclusion:

- Students who have previously taken CS4261 is precluded from taking CS5461.